



# New Dimensions in Security Threats and Countermeasures

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# THE CHANGING WORLD

## IN THE PAST TEN YEARS

- Defense budget cut by 40%
- Armed forces reduced by 36%



# THE CHANGING WORLD

## NATURE OF THE MISSION

- Peacekeeping
- Disaster response
- Humanitarian assistance
- Drug interdiction



# THE CHANGING WORLD

## EVOLVING THREAT

- Preeminence of the United States
- Asymmetrical threat
  - Global
  - Poorly defined



“...the military is being called on to do more than ever. Today’s armed forces, particularly the Navy and Marine Corps, have been called on to respond to crises at a rate three times greater than during the Gulf War years.”

*John H. Dalton*



# PARADIGM SHIFT

## PHYSICAL SECURITY FOCUS

- Asset Protection
- Acquisition System Protection
- Force Protection



# FORCE PROTECTION VISION

## NAVY'S THRUST AREAS

- Maximize Indications and Warnings (Ops and Intel fusion)
- Ensure forces ashore and afloat capable of limited self-defense
- Exploit *security technology*



# SECURITY TECHNOLOGY

## ENGINEERING APPROACH

- Improve regional C2 ... to allow for rapid response and reinforcement capability
- Deploy portable systems ... to enhance shipboard, waterfront, and installation security posture
- Integrate and consolidate security systems to absorb infrastructure reductions





# SECURITY TECHNOLOGY

## RDT&E STRATEGY

- Emphasize near-term integration of COTS components
- Demonstrate “cutting-edge” systems at operational sites
- Focus attention on human factors, reliability, and maintainability



# SECURITY TECHNOLOGY

## RDT&E FORUMS

- Physical Security Equipment Action Group (PSEAG)
- Technical Support Working Group (TSWG)



# SECURITY TECHNOLOGY

## PSEAG

- Oriented to military services
- Formalized requirements definition process
- Delineated areas of responsibilities
  - Explosive detection
  - Shipboard and waterfront security
- Stabilized funding levels



# SECURITY TECHNOLOGY TSWG

- Oriented to “government-wide” customers
- Annualized business cycle
- Focused on rapid research, development, and prototyping
  - Entry point screening
  - Blast mitigation